



# NOVÁ HUŤ

## Declaration of Performance (according to regulation EU No 305/2011)

No. NH-119-CPR2025-12-16

1) Code of the product type: **LDPE – class A1, A2, A3**  
**HDPE – class B1, B2, B3**

Type: External coatings for buried or submerged pipelines according to standard **EN ISO 21809-1:2018**

2) Intended use in accordance with the applicable technical specification and ETA, as foreseen by the manufacturer:

Intended to be used for corrosion protection

3) NOVÁ HUŤ s.r.o.  
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4) ----

5) System of assessment and verification of constancy of performance of the product:  
ETA 25/1246

6) EN ISO 21809-1:2018

Technical assessment body TZUS Prague performed the initial inspection of the manufacturing plant and of factory production control, tested polyethylene coating samples, compiled European documents for EAD assessment (EOTA) and issued European Technical Assessment for LDPE and HDPE coatings.

7) The performance of the product identified in point 1 is in conformity with the declared performance in the table.  
8) This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

**Marian Kubes**  
Q-Engineer – NH s.r.o.

**Michal Kolar**  
Q/A manager – NH s.r.o.

Date : 16.12. 2025

Essential characteristic	Performance						Technical specification				
	P <sub>m</sub>	Unit	Values								
			Class A		Class B						
Total coating thickness	P <sub>m</sub>	Kg/m	1,8	2,1	2,6	1,3	1,8	2,3			
			2,0	2,4	3,0	1,5	2,1	2,7			
			2,4	2,8	3,5	1,8	2,5	3,1			
			2,6	3,2	3,9	2,2	2,8	3,5			
			3,2	3,8	4,7	2,5	3,3	4,2			
Strain in brake	Temperature	Unit	Class A		Class B		EN ISO 21809-1:2018				
	at 23°C ± 3°C	%	≥400		≥400						
	Stress at yield	MPa	≥10,0		≥15,0						
Continuity	-	-	Free of defects and discontinuities, delaminations, separations and holidays								
Indentation	at 23°C ± 3°C	mm	≤ 0,3		≤ 0,2						
	at maximum design temperature		≤ 0,4		≤ 0,4						
Impact strength	at 23°C ± 3°C	J/mm	>5		>7						
Peel strength	at ≥ 23°C	N/mm	≥10,0		≥18,0						
	at ≥ 60°C		≥2,0		-						
	at ≥ 80°C		-		≥5,0						
ΔT <sub>g</sub>	-	°C	-3,0°C ≤ ΔT <sub>g</sub> ≤ +3,0°C								
Product stability during appl. of the PE top layer process	-	%	ΔMFR ≤ 20								
Cathodic disbondment	at 23°C/28d; -1,38V	mm	≤ 5,0								
	at 65°C/28d; -1,38V		≤ 4,0								
Flexibility	-	Degrees per pipe length diameter	No cracking at an angle of 2,0° per pipe diameter length								
Resistance to hot water	-	mm	Average ≤ 2,0 and maximum ≤ 3,0								
UV resistance	-	%	ΔMFR ≤ 35		ΔMFR ≤ 35						
Apparent density of PE coating	-	g/cm <sup>3</sup>	≥0,930		≥0,940						